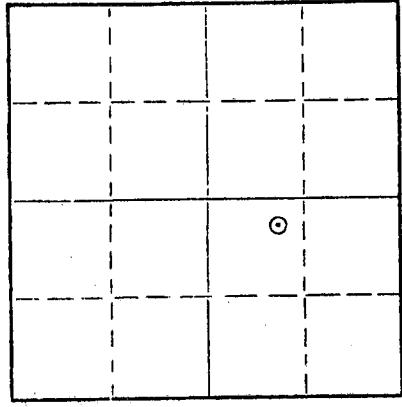


STATE OF KANSAS  
 STATE CORPORATION COMMISSION  
 Give All Information Completely  
 Make Required Affidavit  
 Mail or Deliver Report to:  
 Conservation Division  
 State Corporation Commission  
 212 No. Market  
 Wichita, Kansas 67202  
 NORTH

### WELL PLUGGING RECORD

Rooks County, Sec. 4 Twp. 9S Rge. (E) 16 (W)  
 Location as "NE/CNW/SW" or footage from lines 2310' FEL & 1650' FEL  
 Lease Owner Cities Service Oil Company  
 Lease Name Holy Cross "A" Well No. 4  
 Office Address Box 553 Russell, Kansas 67665  
 Character of Well (completed as Oil, Gas or Dry Hole) Oil  
 Date well completed 7-4- 19 50  
 Application for plugging filed 6-18- 19 71  
 Application for plugging approved 6-22- 19 71  
 Plugging commenced m 7-12 19 71  
 Plugging completed 7-14 19 71  
 Reason for abandonment of well or producing formation Depleted



Locate well correctly on above Section Plat

If a producing well is abandoned, date of last production September 19 67  
 Was permission obtained from the Conservation Division or its agents before plugging was commenced? Yes

Name of Conservation Agent who supervised plugging of this well Mr. W. L. Nichols  
 Producing formation Lansing-Kansas City Depth to top 3087' Bottom 3412' Total Depth of Well 3442 Feet  
 Show depth and thickness of all water, oil and gas formations.

#### OIL, GAS OR WATER RECORDS

#### CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE	PUT IN	PULLED OUT
				8 5/8"	240'	None
				5 1/2"	3442'	603'

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 STATE CORPORATION COMMISSION  
 JUL 22 1971  
 CONSERVATION DIVISION  
 Wichita, Kansas  
 7-22-1971

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same and depth placed, from \_\_\_\_\_ feet to \_\_\_\_\_ feet for each plug set.

Set cement plug in 5 1/2" casing at 3000'  
 Pushed wire plug to 3000'  
 Dumped 2' rock, 20' sand and 5 sacks cement to 2940'  
 Pulled 19 joints 5 1/2" casing 603' and welded collar on 8 5/8" pipe  
 Pumped in 2 sacks hulls, 18 sacks gel, 1 sack hulls, 70 sacks 50/50 Pozmix plus 4% gel, 7 sacks gel, 50 sacks 50/50 Pozmix plus 4% gel.  
 Shut in at 75 psi. Filled to surface.

(If additional description is necessary, use BACK of this sheet)

Name of Plugging Contractor Knight Casing Pulling Co., Inc.  
 Address Chase, Kansas

STATE OF Kansas, COUNTY OF Russell, ss.  
E. W. Peterman (employee of owner) or (owner or operator) of the above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed and that the same are true and correct. So help me God.

(Signature) E. W. Peterman  
Box 553 Russell, Kansas 67665  
 (Address)



Subscribed and sworn to before me this 21st day of July, 19 71

James F. Kyger  
 Notary Public.

# WELL RECORD

Company Cities Service Oil Co. Well No. 4 Farm Holy Cross  
 Location 330' South and 990' East of Center Sec. 4 T. 9 R. 16W  
 Elevation 1981 (1979 Gr.) County Franklin State Kansas  
 Drlg. Comm. May 27, 1950 Contractor Holm Drilling Company  
 Drlg. Comp. June 6, 1950 Acid 2000 gals. 6-29-50 (see below)  
 T. D. 3442' Initial Prod. 43 oil, 70 water, 24 hrs. (7-5-50)  
 P.B.T.D. 3411'

### CASING RECORD:

8-5/8" @ 240' cem. 175 sz cement  
 5-1/2" @ 3442' cem. 175 sz cement

### FORMATION RECORD:

lime & shale	0-210
shale & shells	470
sand, shale & shells	815
sand	910
red bed & shells	1225
anhydrite	1265
shale & shells	1585
salt, shale & shells	1750
shale & shells	1990
shale & lime	2115
lime & shale	2445
shale	2475
shale & shells	2830
lime & shale	2960
lime	3446

3446 RTD = 3442 SLM

Corr. Top Lansing	3087'
Corr. Top Arbuckle	3412'
Penetration	30'
Total Depth	3442'

Drilled cement to 3415 SLM.

Perf. 28 shots 3299-3306-  
 " 33 shots 3206-14-  
 " 21 shots 3168-73-  
 " 34 shots 3153-62- } squeezed  
 " 28 shots 3143-50- } 326' water in  
 4 hrs. 35 mins.

Set Lane-Wells plug at 3186. ✓

Set retainer at 3125' and squeezed 3143-73 with 200 sacks cement; 179 sacks through perforations at 1500#.

Drilled cement and drove plug to 3411 SLM.

Perf. 21 shots 3168-73-  
 " 29 shots 3126-33-  
 " 17 shots 3096-3100-  
 " 25 shots 3086-92-

### 6-29-50 Acidizing Record:

500 gals. 3299-3306-  
 500 gals. 3206-3214-  
 500 gals. 3168-3173-  
 500 gals. 3126-3133-  
 1000 gals. 3086-3100-

SYFO: 500' 0°  
 1000' 0°  
 1500' 1°  
 2000' 1°  
 2500' 1°  
 3000' 0°

7-7/8" rotary hole.

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 Wichita, Kansas  
 6-21-1971

WELL RECORD

Company: ... Well No. ...

Location: ...

Elevation: ...

29	h	0	221-28	Acidified w/750 gal	1000
61	v	p	226-81		1000
33	v	0	224-56		1000
33	v	0	222-34		1000
33	v	0	218-88		1000
41	v	0	218-58		1000
21	v	0	214-46		1500
					<u>6750</u>

10-26-58 330:1 - 1180+R-24 hrs.

10-31-58 190:1 - 240+R-24 hrs.

...

...

...

...



INTER-OFFICE LETTER  
March 19, 1971

RECEIVED  
STATE CORPORATION COMMISSION  
JUN 21 1971  
CONSERVATION DIVISION  
Wichita, Kansas

6-21-1971

To: Mr. Don Severe  
From: Mr. Morris Belcher  
Subject: Holy Cross #4 - 330'S 990'E of Center Sec. 4-9S-16W;  
Rooks County, Kansas.

Elevation: 1981' (1979 Gr.)  
Casing: 8 5/8" @ 240' W/175 Sx. Cement  
5 1/2" @ 3442' W/175 Sx. Cement  
Formations: Top Lansing - 3087'  
Top Arb. - 3412'  
Penetration - 30'  
T.D.: 3442'  
PBD: 3411'  
Prod. Horizons: Lansing-K.C. Perf. @ 3299-3306'; 3206-14; 3168-73;  
3126-33; 3086-3100. Squeezed  
perf. 3143-73 W/170 Sx. Cement.  
Completed: 6-6-50  
Initial Potential: 43-70-24 hr. (7-5-50)  
Current Production: 3-66-24 hr. (9-24-67) T.A. since 1967  
Acc. Production: 44,729  
Remedial Work: 10-22-58 Perf. 3321-28; 3266-81; 3248-56; 3226-34;  
3180-88; 3148-58; 3141-46;  
10-24-58 Ran tubing and straddle packers  
Acidized zone 3321-28 W/750 gals.  
" " 3266-81 W/1500 gals.  
" " 3248-56 W/1000 gals.  
" " 3226-34 W/1000 gals.  
" " 3180-88 W/1000 gals.  
" " 3148-58 & 3141-46 W/1500 gal.  
10-29-58 Test 22-32-24 hr.

MB/kb  
cc: Mickey J. Overall